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(54) **AIMING SIGHT APPARATUS FOR DEVICES THAT SHOOT PROJECTILES**

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(52) **U.S. Cl.**  
CPC ..... **F41G 1/467** (2013.01); **F41G 1/033** (2013.01)

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See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

3,455,027 A \* 7/1969 Perkins ..... F41G 1/467  
124/23.1  
4,385,448 A \* 5/1983 Burkey ..... F41G 1/467  
33/265

4,481,717 A 11/1984 Kowalski  
4,567,668 A 2/1986 King et al.  
4,625,422 A \* 12/1986 Carlson ..... F41G 1/467  
124/87  
5,137,007 A \* 8/1992 Shoemake ..... F41G 1/467  
124/87  
5,653,217 A 8/1997 Keller  
5,860,408 A \* 1/1999 Summers ..... F41G 1/467  
124/87  
RE36,266 E 8/1999 Gibbs  
6,058,921 A \* 5/2000 Lawrence ..... F41G 1/467  
124/87  
6,170,164 B1 \* 1/2001 Knowles ..... F41G 1/467  
124/87  
6,539,637 B1 4/2003 Hollabaugh  
7,040,027 B1 \* 5/2006 Shaffer ..... F41G 1/467  
124/87

7,266,896 B1 9/2007 White  
7,290,345 B2 11/2007 Ellig  
7,503,122 B2 3/2009 Afshari  
(Continued)

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(57) **ABSTRACT**

An aiming sight for devices that shoot projectiles having a housing with an interior. A sight element is positioned within the interior by means of adjustment threads. The adjustment threads pass through channels in the sides of the front sight element so that the front sight element is movable along the adjustment threads from the bottom to the top of the housing. The sight element has a sighting aperture through which a specific target point, intended for penetration by an arrow, is visible. The sighting aperture may be constructed as a front sighting aperture of a front aiming sight to align visually with a rear sighting aperture of a rear aiming sight. When aiming, the specific target point is viewed in the voids of the front sighting aperture and the rear sighting aperture without obstruction.

**16 Claims, 4 Drawing Sheets**

